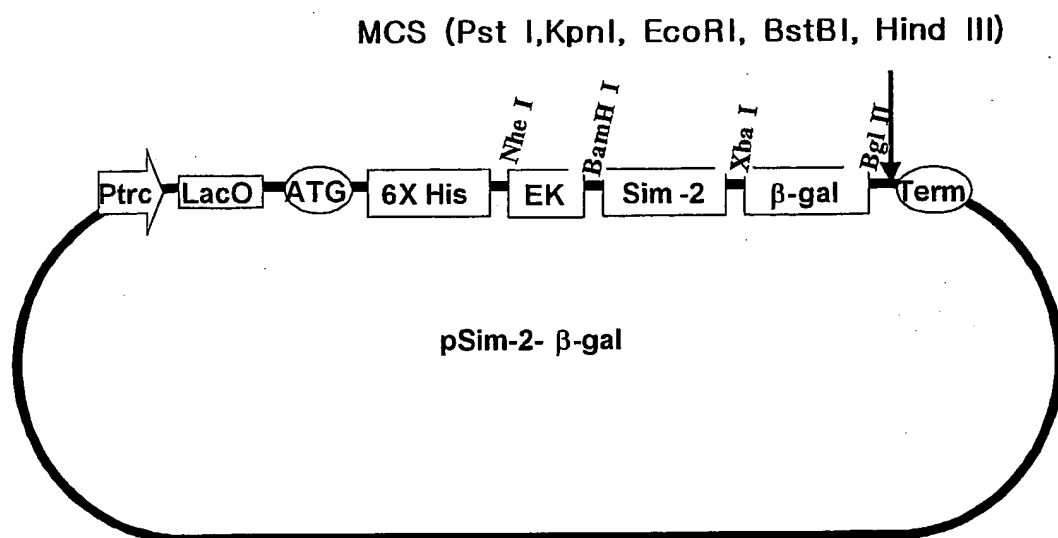


10/501964

1/31

FIG.1A



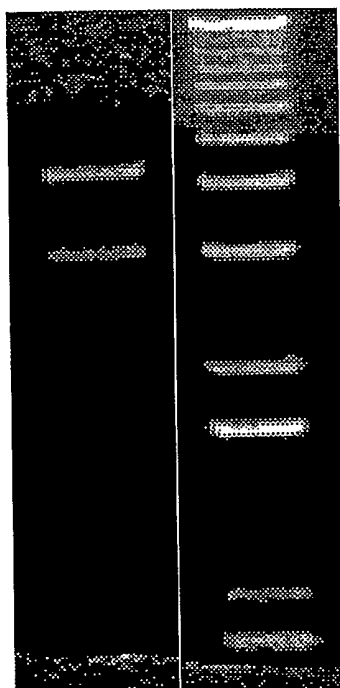
BEST AVAILABLE COPY

10/501964

2/31

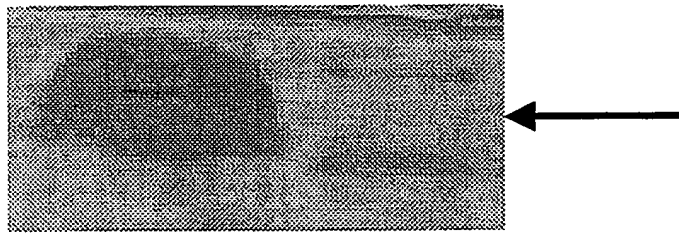
FIG.1B

1 2



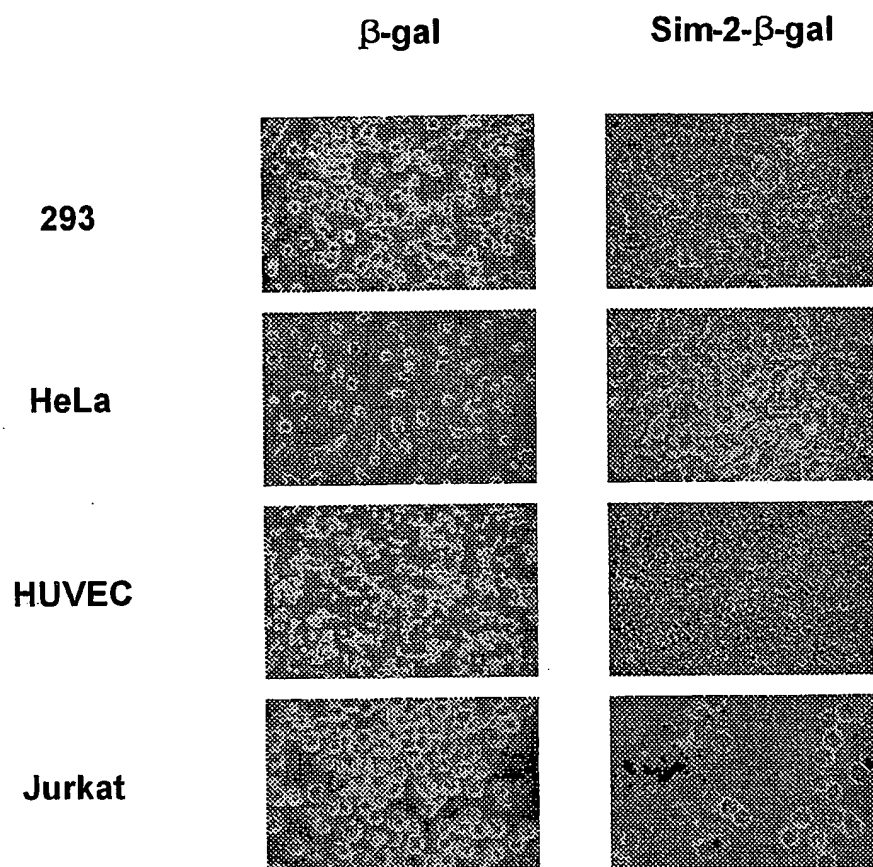
3/31

FIG. 2



4/31

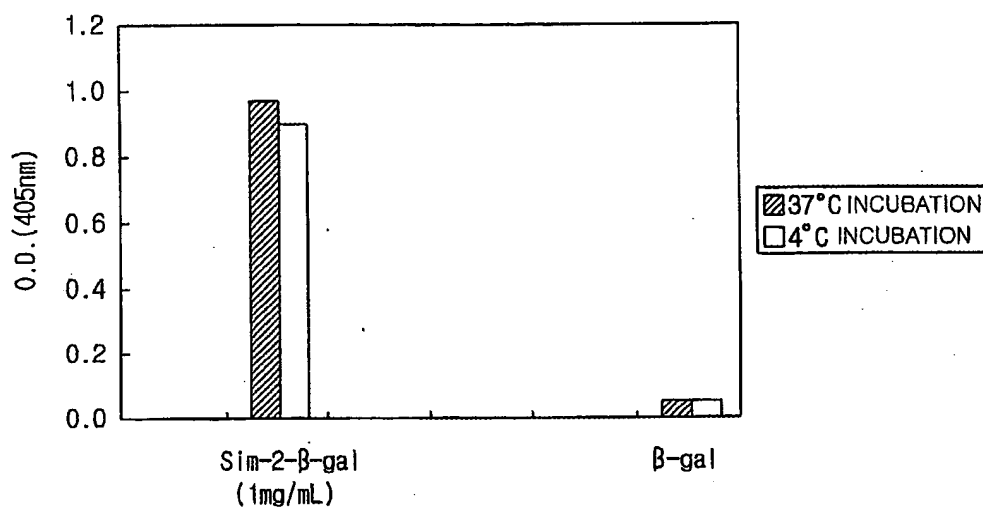
FIG. 3A



10/501964

5/31

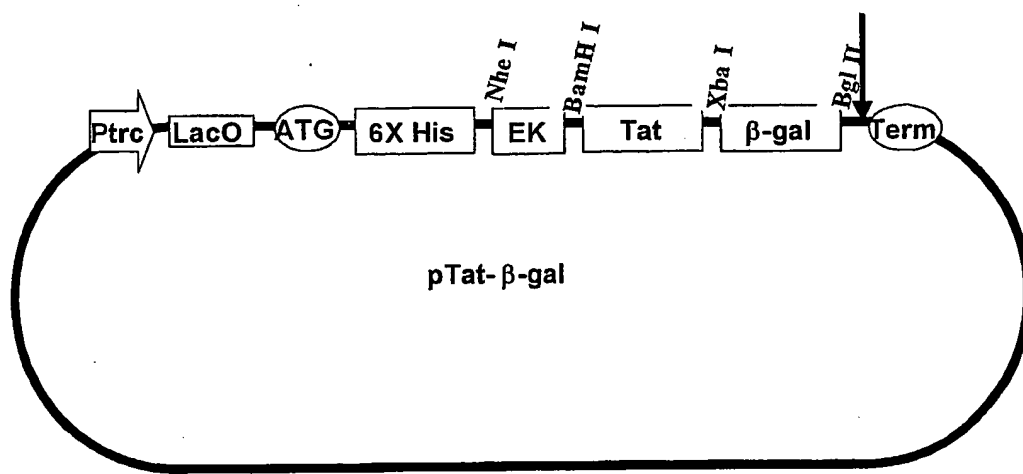
FIG. 3B



6/31

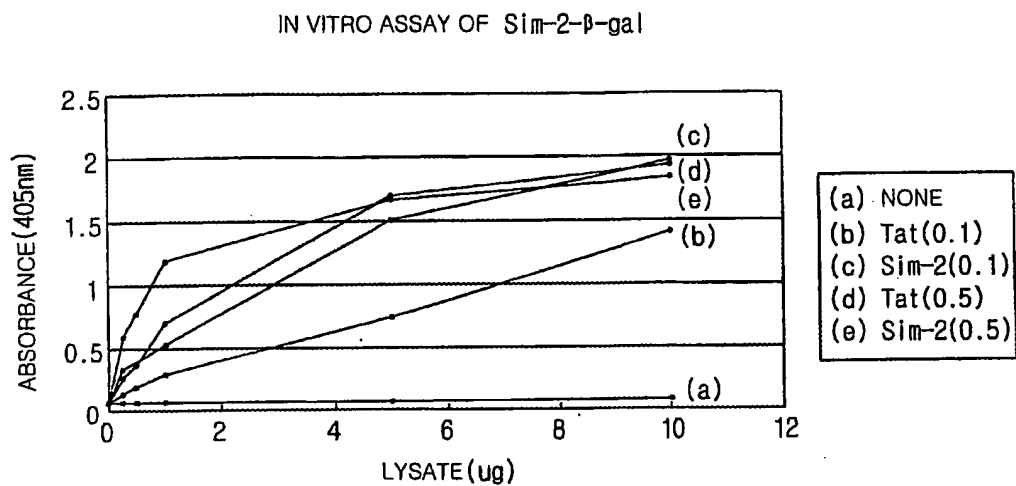
FIG. 4A

MCS (Pst I, KpnI, EcoRI, BstBI, Hind III)



7/31

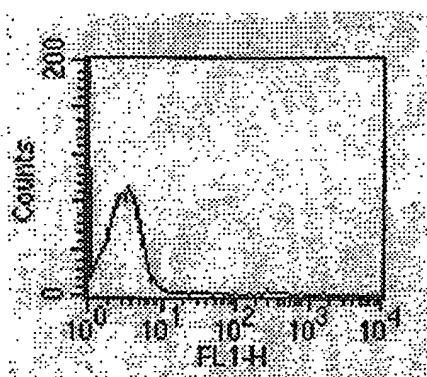
FIG. 4B



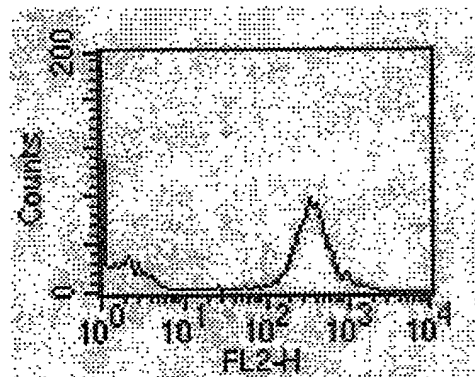
10/501964

8/31

FIG. 4C



Negative control

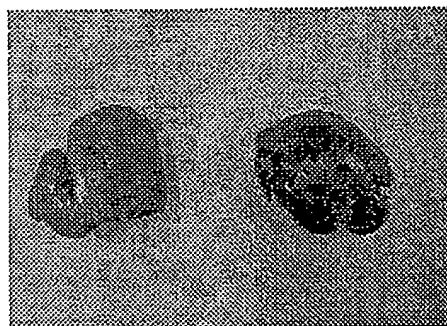


Sim-2(7mer)-FITC

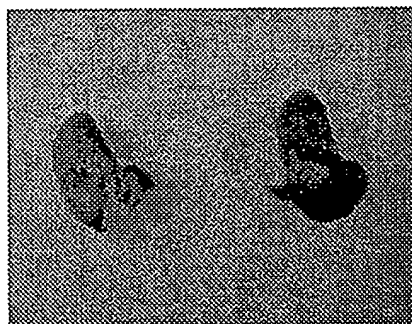
9/31

FIG. 5A

liver



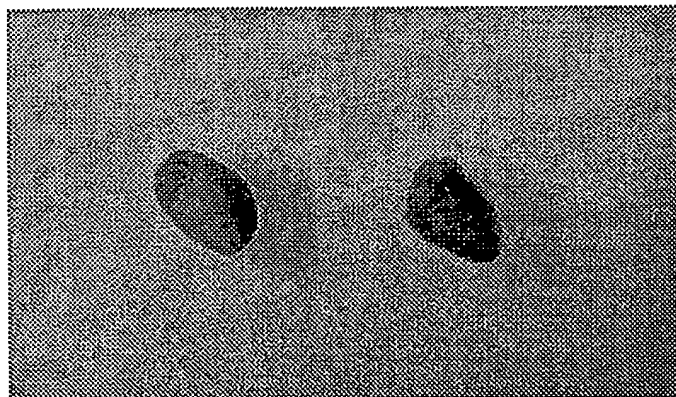
lung



β -gal Sim-2- β -gal

β -gal Sim-2- β -gal

Heart

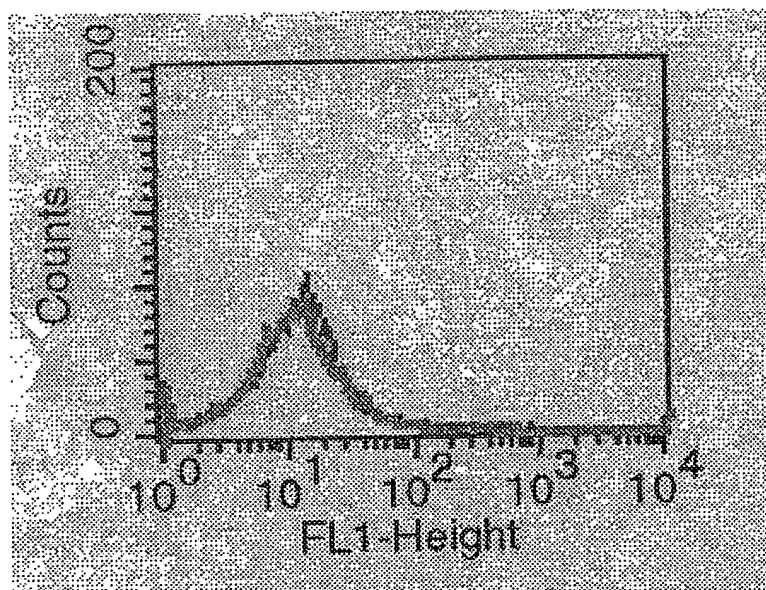


β -gal

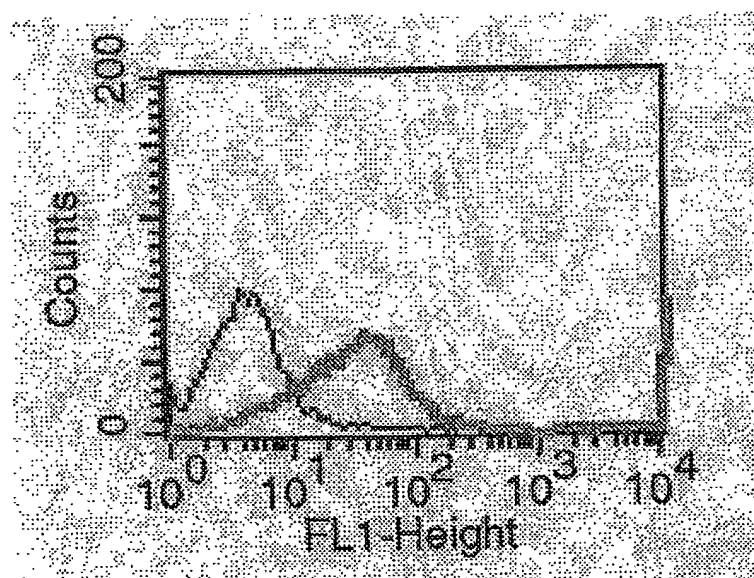
Sim-2- β -gal

10/31

FIG. 5B



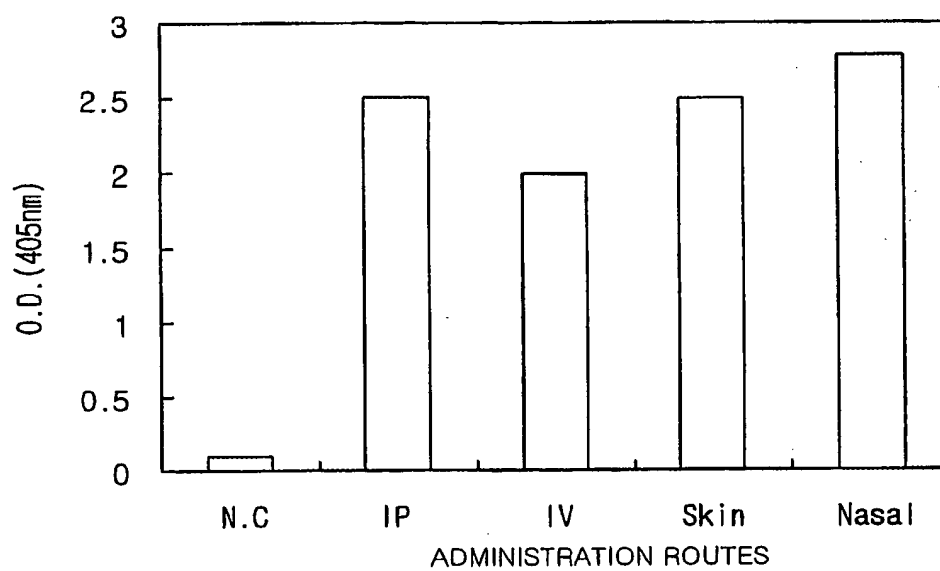
EGFP only



Sim-2-EGFP(50nM)

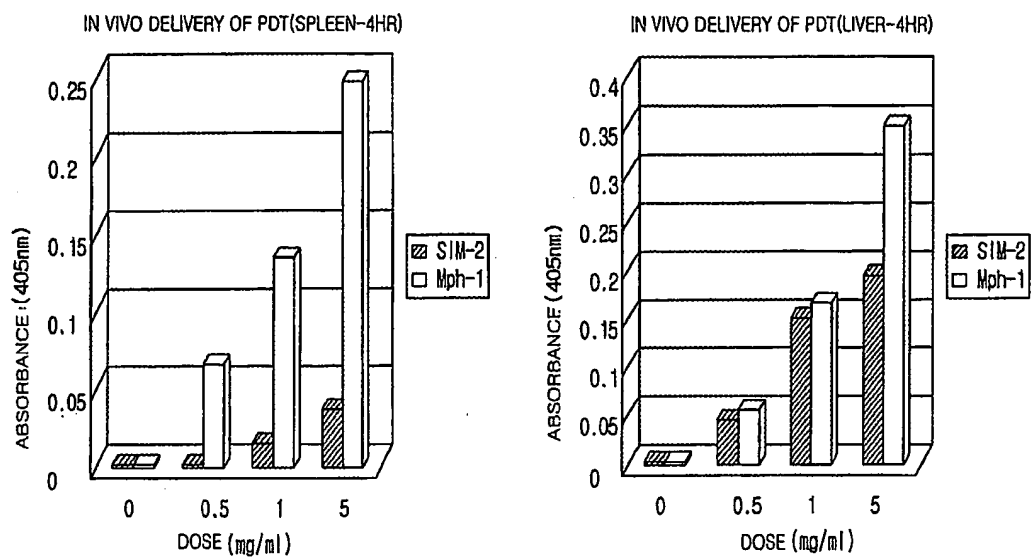
11/31

FIG.5C



12/31

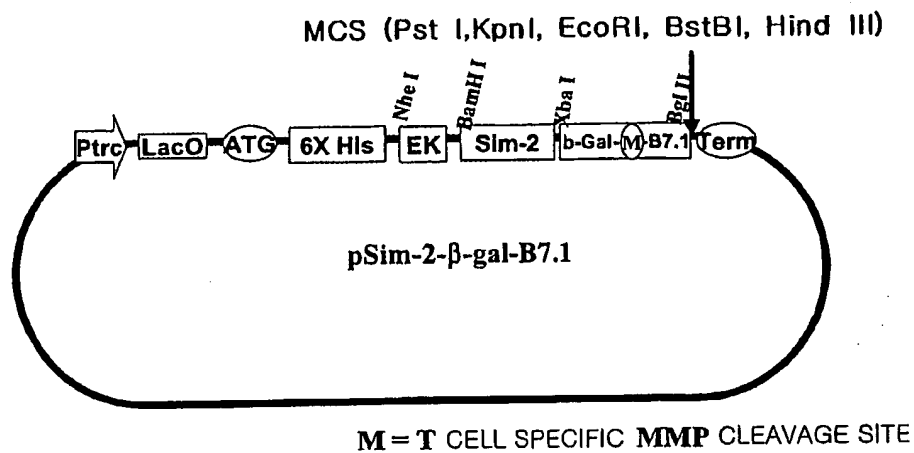
FIG. 5D



10/501964

13/31

FIG. 6A

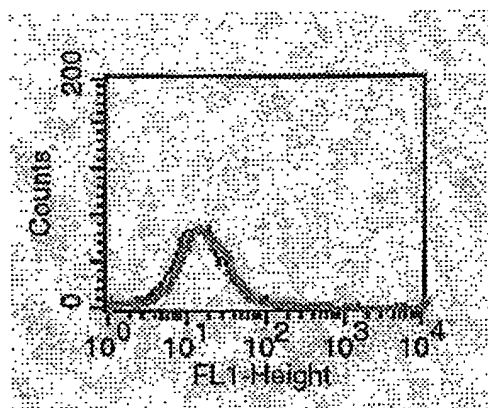


10/501964

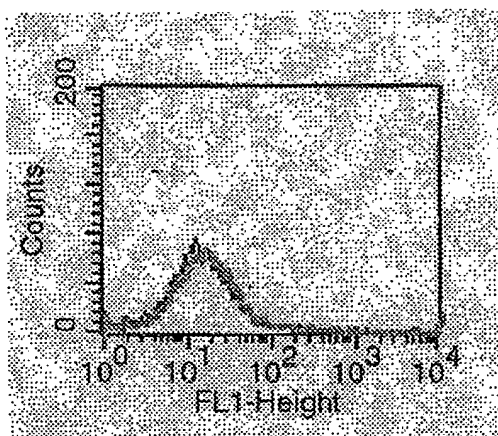
14/31

FIG. 6B

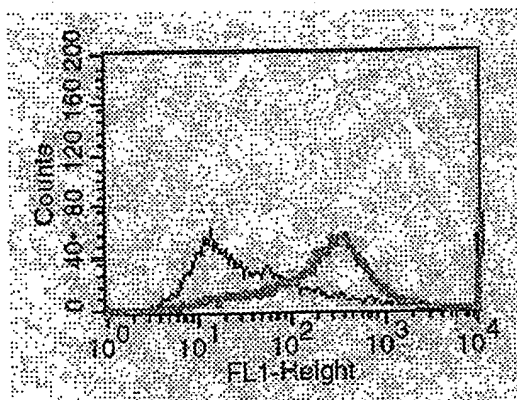
Isotype control



B cell



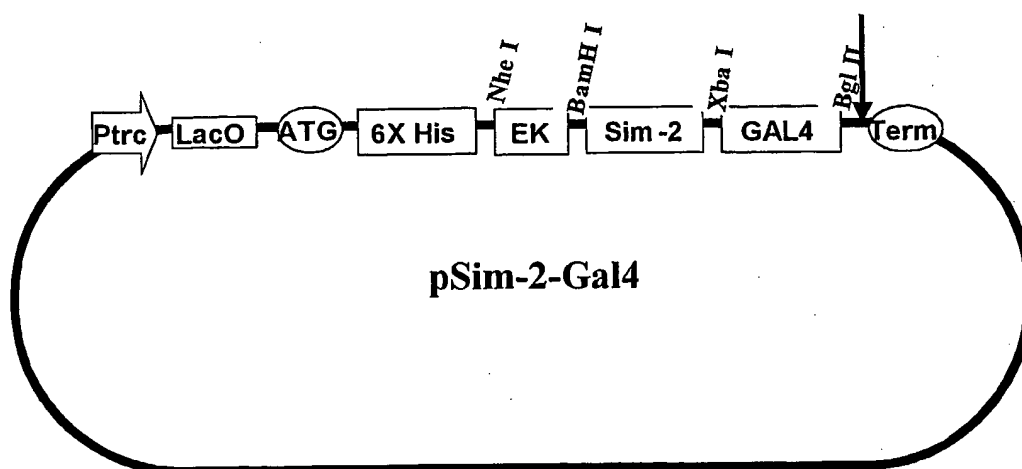
T cell



15/31

FIG. 7

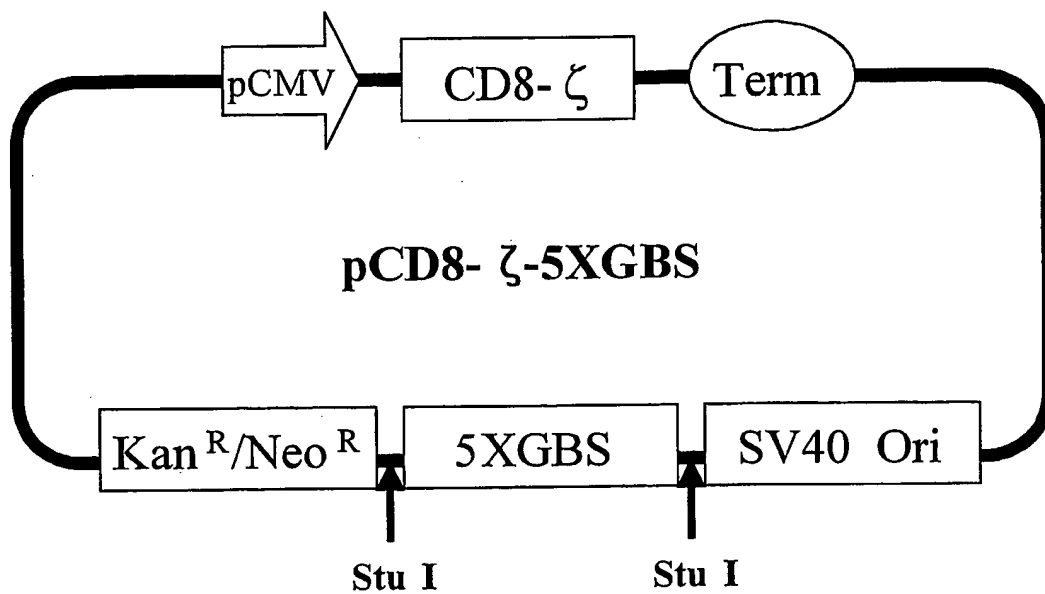
MCS (Pst I, KpnI, EcoRI, BstBI, Hind III)



10/501964

16/31

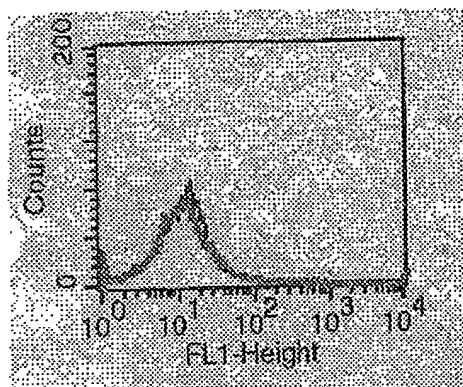
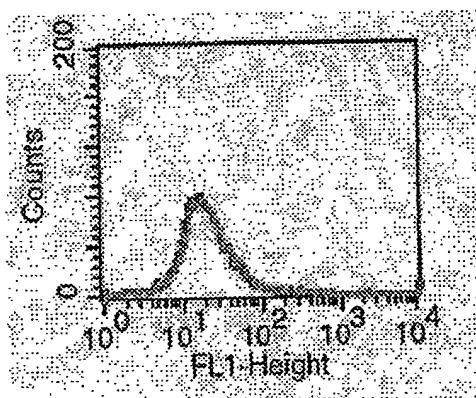
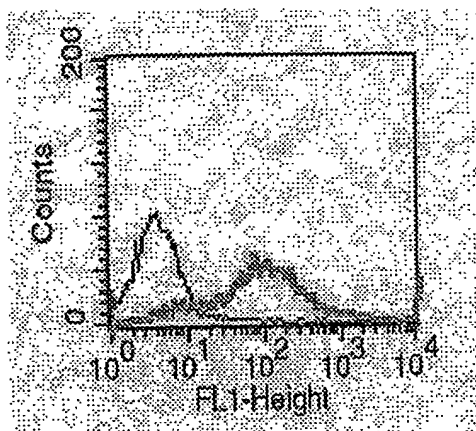
FIG. 8



17/31

FIG. 9A

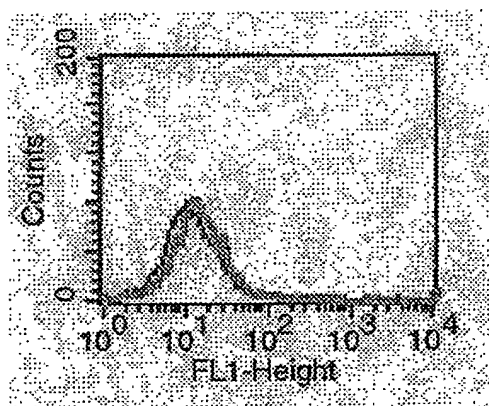
Sim-2 only

pCD8- ζ -5XGBS onlySim-2 + pCD8- ζ -5XGBS

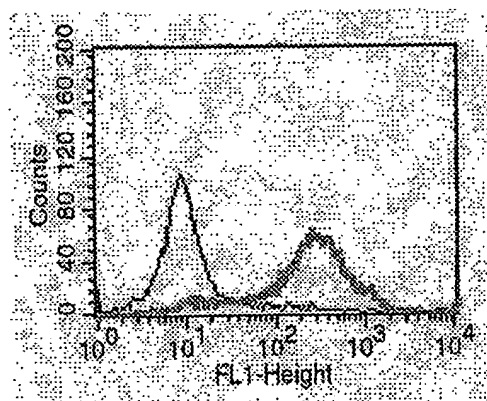
18/31

FIG. 9B

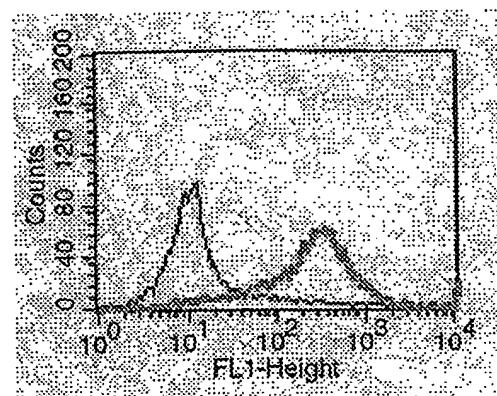
Isotype control



Splenocyte

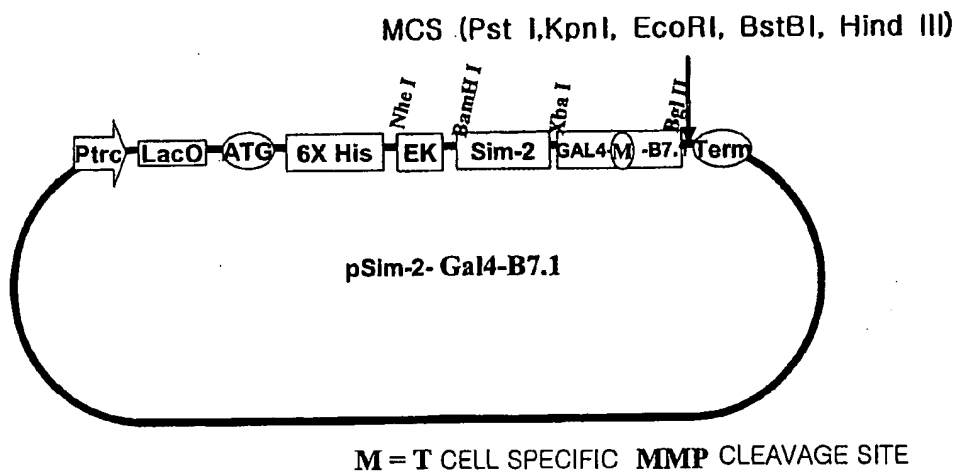


T cell



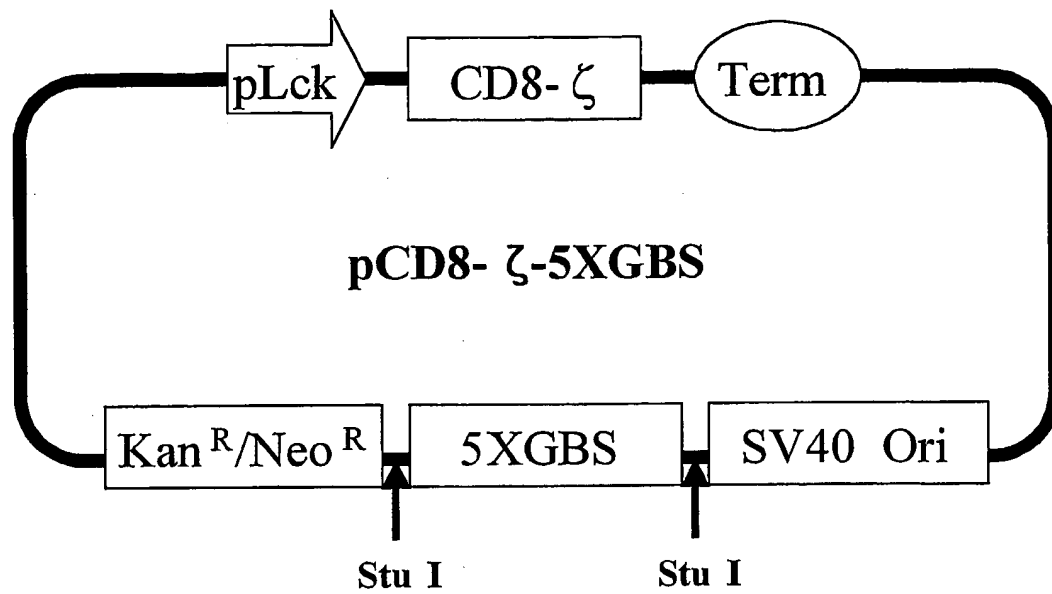
19/31

FIG. 10A



20/31

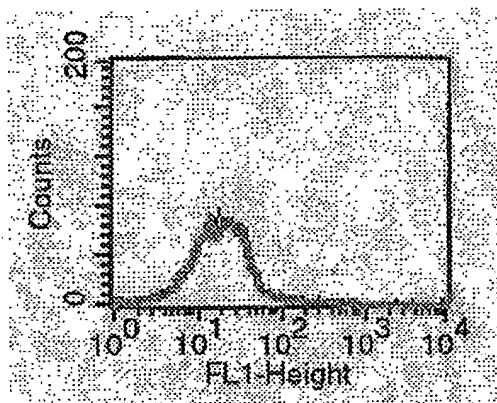
FIG. 10B



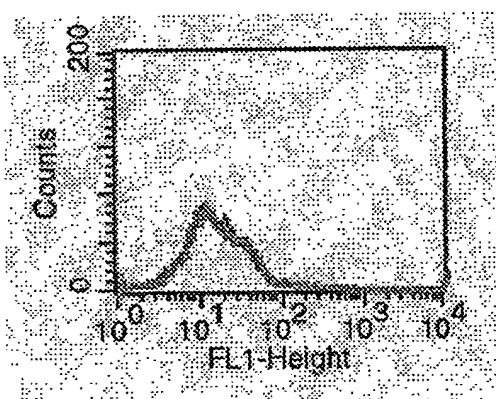
21/31

FIG. 10C

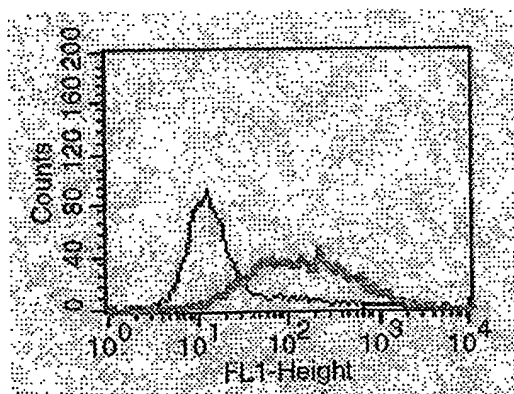
Isotype control



B cell



T cell

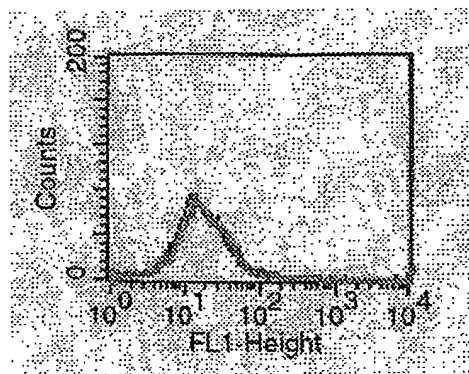


10/501964

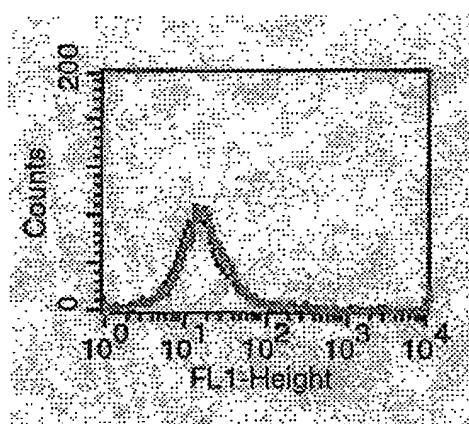
22/31

FIG. 10D

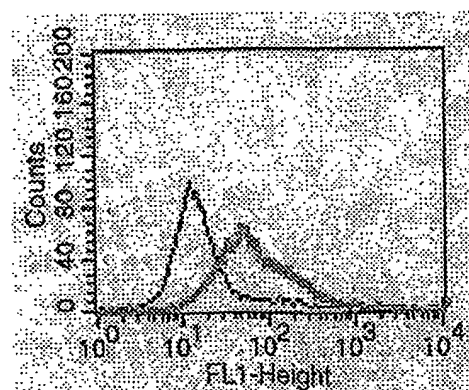
Isotype control



B cell



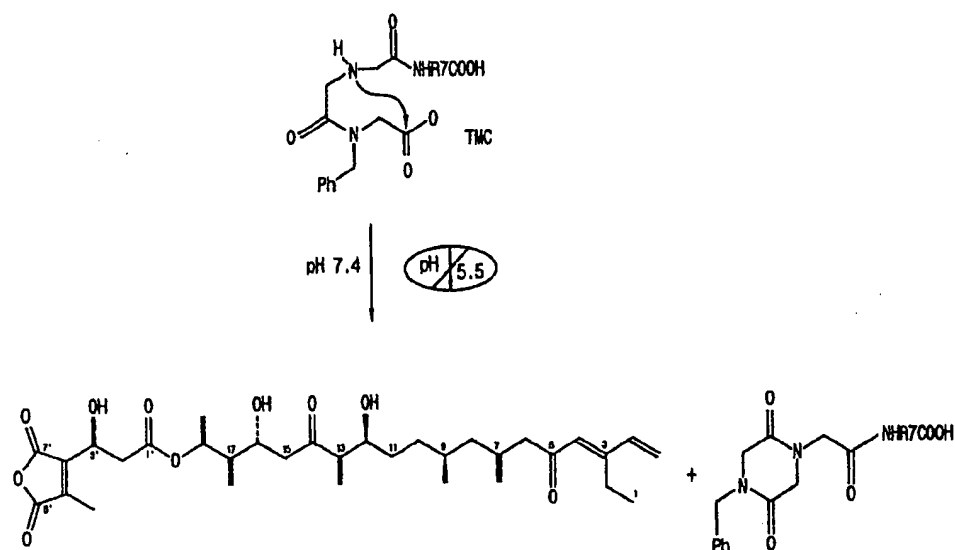
T cell



10/501964

23/31

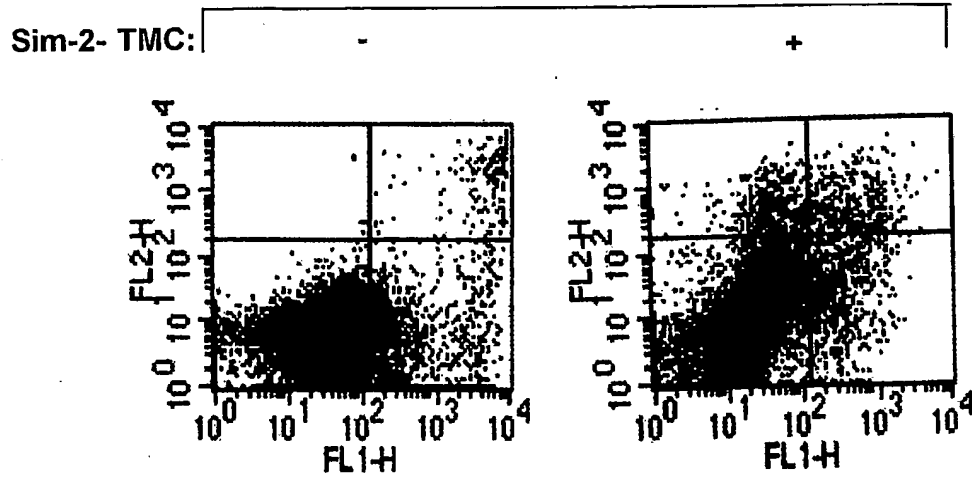
FIG. 11A



10/501964

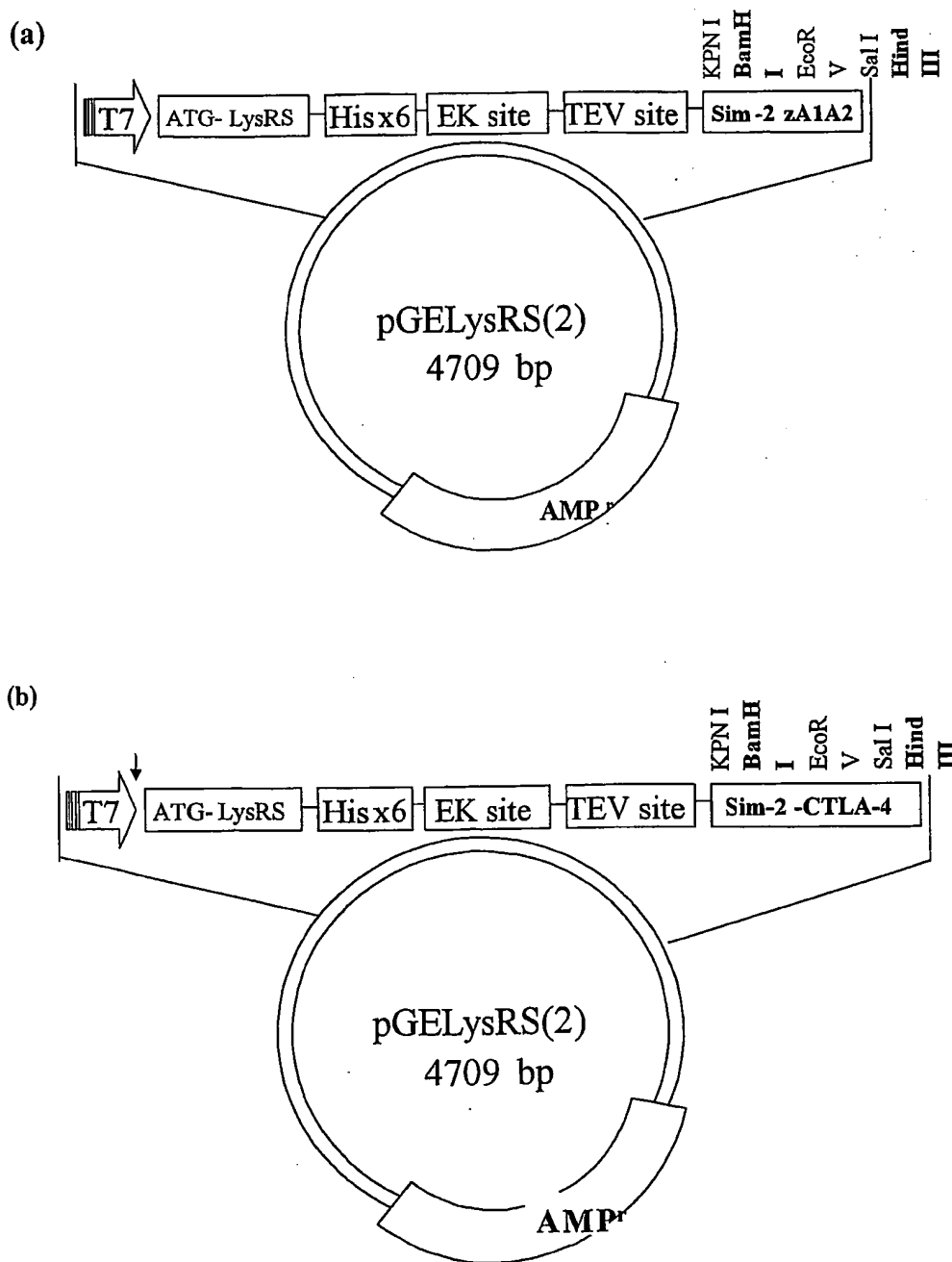
24/31

FIG. 11B



25/31

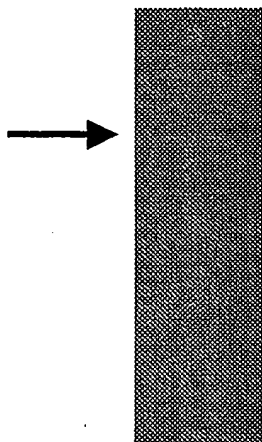
FIG. 12



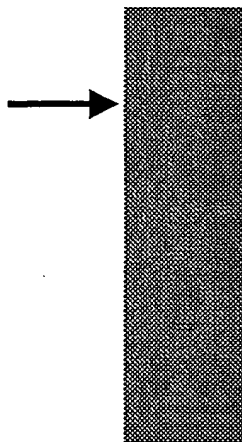
26/31

FIG. 13

(a)



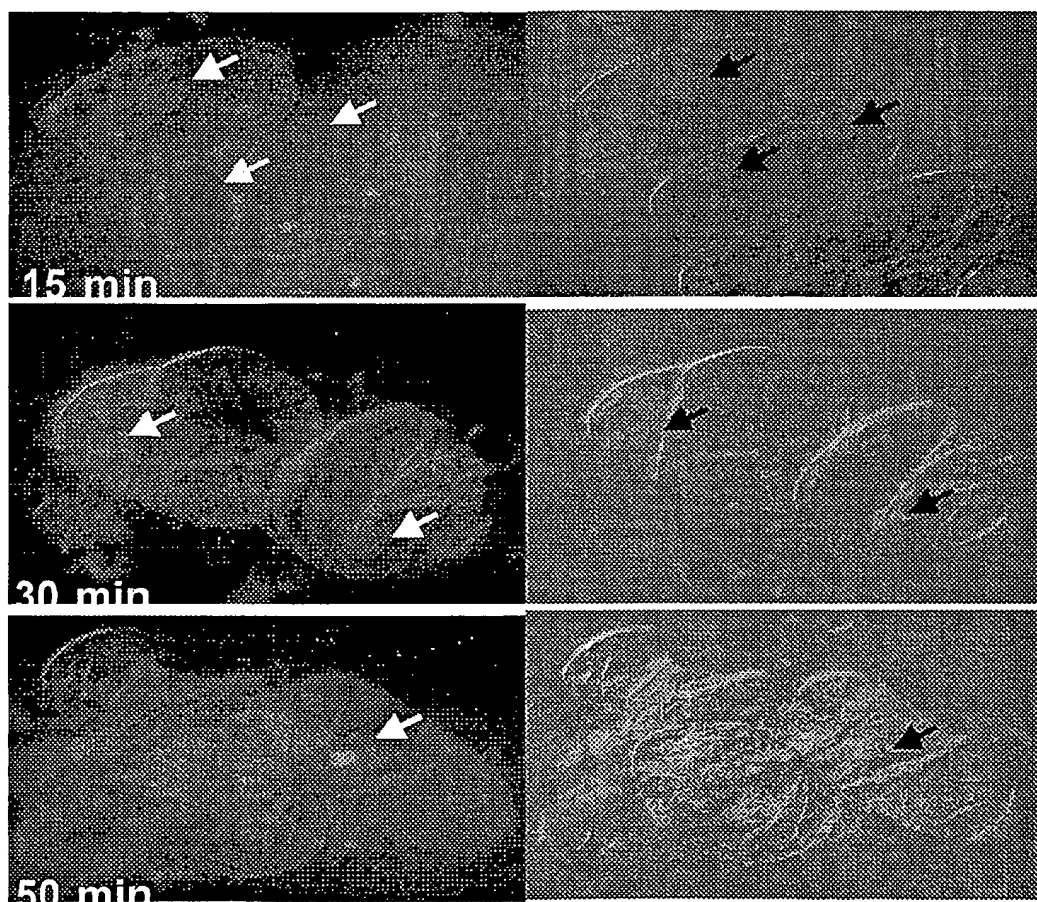
(b)



10/501964

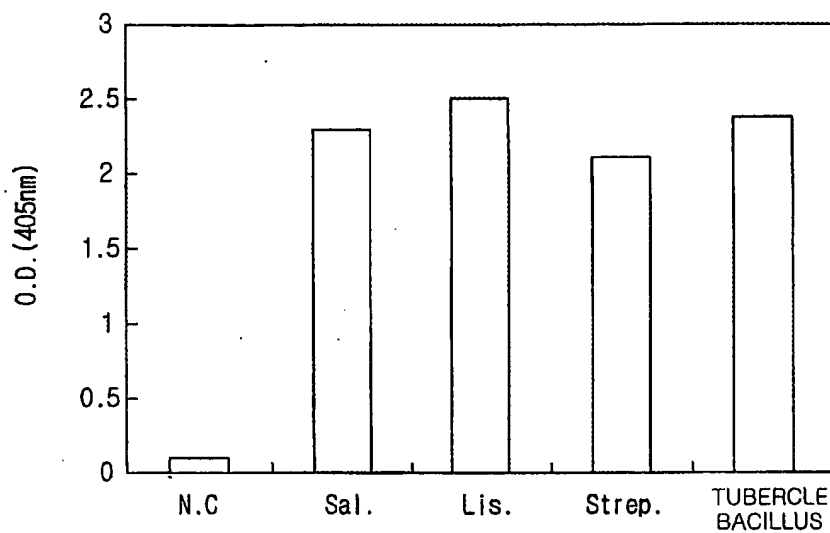
27/31

FIG. 14



28/31

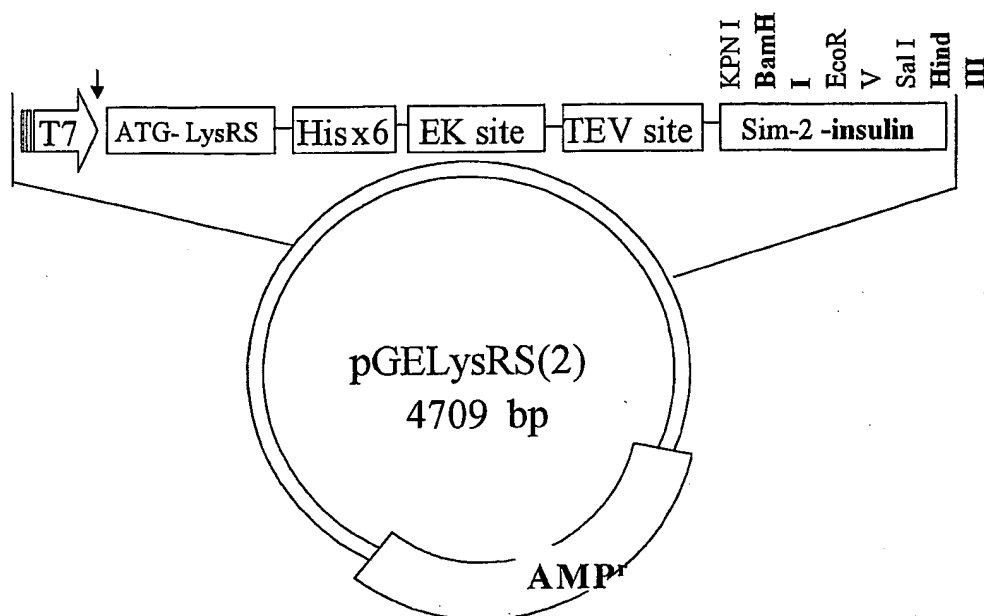
FIG. 15



10/501964

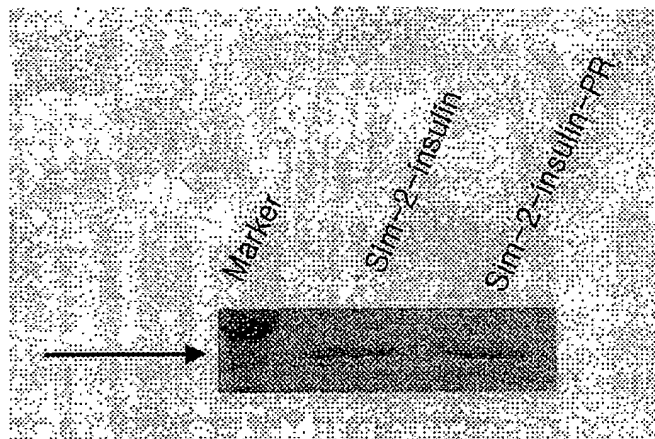
29/31

FIG. 16



30/31

FIG. 17A

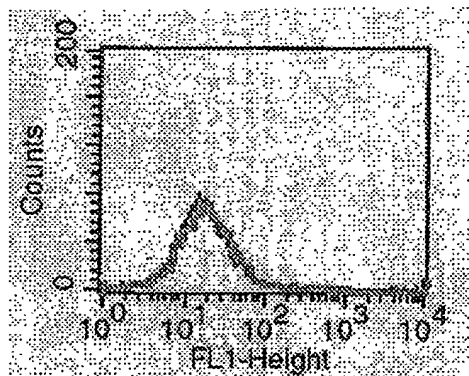


10/501964

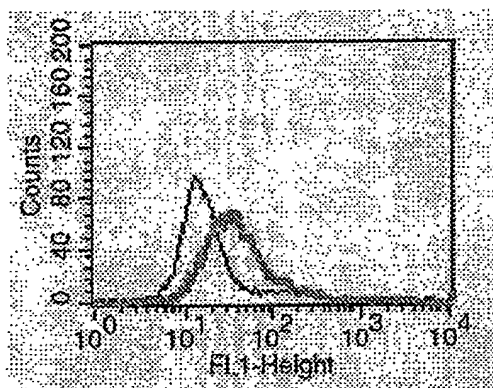
31/31

FIG. 17B

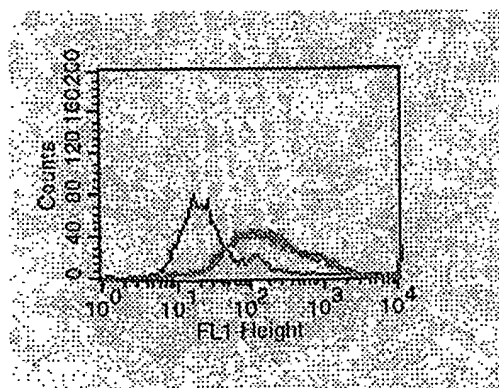
Recombinant insulin



Sim-2-insulin



Sim-2-insulin-PR



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.